



EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

UD 片式铝电解电容
UD Chip Type Aluminum Electrolytic Capacitors

产品特点 Features

- 产品直径
Case diameter $\Phi 6.3\text{mm}$ $\square$ $\Phi 12.5\text{mm}$
- 适用于再回流焊
Reflow soldering is available
- 适用于高密度表面组装
Available for high density surface mounting
- 长寿命105°C 6000小时标准品
Life time 105°C 6000hrs standard product
- 性能稳定，可靠性高
High stability and reliability
- ROHS指令已对应完毕
Adapted to the RoHS directive

主要技术性能 Specification

项目 Item	特性 Performance Characteristics												
使用温度范围 Operating temperature range	-45℃□ +105℃												
额定电压范围 Rated voltage range	160□ 450V.DC												
标称电容量范围 Nominal capacitance range	1μ F□ 22μ F												
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)												
漏电流 Leakage current	I=0.04CV(μ A)+100(μ A)after 2 minutes I=Leakage Current(μ A) C=Nominal Capacitance(μ F) V=Rated Voltage(V)												
损耗角正切值 (tg δ) Dissipation factor (+20℃, 120Hz)	<table><tr><td>U_R (V)</td><td>160□200</td><td>250□400</td><td>450</td></tr><tr><td>tg δ</td><td>0.20</td><td>0.25</td><td>0.30</td></tr></table>	U _R (V)	160□200	250□400	450	tg δ	0.20	0.25	0.30				
U _R (V)	160□200	250□400	450										
tg δ	0.20	0.25	0.30										
温度特性Temperature characteristics (Impedance ratio at 120Hz)	<table><tr><td>Roted Voltage(V)</td><td>160□200</td><td>250□400</td><td>450</td></tr><tr><td>Z-25℃/Z+20℃</td><td>6</td><td>10</td><td>12</td></tr><tr><td>Z-55℃/Z+20℃</td><td></td><td></td><td></td></tr></table>	Roted Voltage(V)	160□200	250□400	450	Z-25℃/Z+20℃	6	10	12	Z-55℃/Z+20℃			
Roted Voltage(V)	160□200	250□400	450										
Z-25℃/Z+20℃	6	10	12										
Z-55℃/Z+20℃													
耐久性 Load life	在105℃环境中，连续施加额定电压6000小时，常温恢复16小时，电容器满足以下要求: In 105℃ degrees Celsius environment,continuous application of rated voltage for 6000 hours,After 16 hours was mseasured at room temperature,the capacitors shall meet the following requirements: Capacitance Change: ± 30%初始值以内 Within ± 30% of the initial value Dissipation Factor : ≤ 300%初始值以内 Not more than 300% of the specified value Leakage Current : ≤ 300%初始值以内 Within 300% of initial specified value												
高温贮存 Shelf life	105℃贮存1000小时后，放置16小时，电容器应满足以下要求: After storage for 1000hrs at 105℃,then resumed 16 hours,the capacitors shall meet the following requirements: Capacitance Change: ± 30%初始值以内 Within ± 30% of the initial value Dissipation Factor : ≤ 300%初始值以内 Not more than 300% of the specified value Leakage Current : ≤ 300%初始值以内 Within 300% of initial specified value												

外形图及尺寸图 Case size table

Fig. 1 ($\Phi 6.3 \sim \Phi 10$)

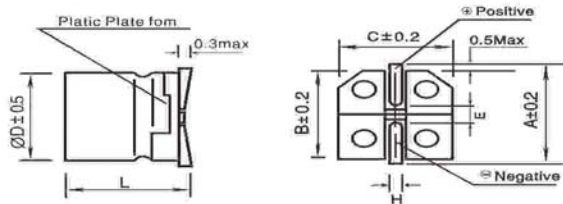
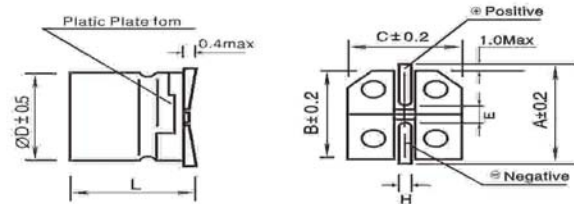


Fig. 2 ($\geq \Phi 12.5$)



Φ D	L	A	B	C	E	H	Fig.No.
6.3	10.2± 0.3	7.2	6.6	6.6	2.1	0.5□ 0.9	1
8	10.2± 0.5	9.1	8.3	8.3	3.1	0.8□ 1.1	1
8	12.5± 0.5	9.1	8.3	8.3	3.1	0.8□ 1.1	1
10	12.5± 0.5	11.1	10.3	10.3	4.5	0.8□ 1.1	1
10	12.5± 0.5	11.1	10.3	10.3	4.5	0.8□ 1.1	1
12.5	12.5± 0.5	13.7	13.0	13.0	4.4	1.0□ 1.4	2

■ 尺寸 Dimensions

WV	160			200			250			400			450		
μ F壳号	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA	D× Lmm	tanδ	mA
1							6.3× 10.2	0.25	10	6.3× 10.2	0.25	9	8× 10.2	0.30	15
1.5							6.3× 10.2	0.25	14	6.3× 10.2	0.25	11	8× 10.2	0.30	18
2.2							6.3× 10.2	0.25	16	6.3× 10.2	0.25	13	8× 10.2	0.30	20
										8× 10.2	0.25	15			
3.3							6.3× 10.2	0.25	18	8× 10.2	0.25	20	10× 10.2	0.30	25
							8× 10.2	0.25	21						
4.7				8× 10.2	0.20	25	8× 10.2	0.25	26	8× 12.5	0.25	33	10× 12.5	0.30	39
										10× 12.5	0.25	35			
5.6				8× 10.2	0.20	27	8× 10.2	0.25	28	10× 12.5	0.25	43	10× 12.5	0.30	48
6.8	6.3× 10.2	0.20	26	8× 10.2	0.20	30	10× 10.2	0.25	34	10× 12.5	0.25	48	10× 12.5	0.30	53
	8× 10.2	0.20	30												
8.2	8× 10.2	0.20	35	8× 10.2	0.20	30	10× 10.2	0.25	37	12.5× 13.5	0.25	62			
10	8× 10.2	0.20	43	10× 10.2	0.20	40	10× 10.2	0.25	45	12.5× 13.5	0.25	69			
	10× 10.2	0.20	50												
12	10× 10.2	0.20	53	10× 10.2	0.20	45	10× 10.2	0.25	50						
15	10× 10.2	0.20	55	10× 10.2	0.20	58	10× 10.2	0.25	67						
22	10× 12.5	0.20	63												

●尺寸ΦD×L(mm), 纹波电流(mA rms)於 105℃ 120Hz

■ 纹波电流校正系数 Multiplier For Ripple Current

频率 Frequency	120HZ	1KHZ	10KHZ	100KHZ
系数 Coefficient	1.00	1.25	1.40	1.60

注：以上所提供的设计及特性参数仅供参考，任何修改做预先通知，如在使用上有疑问，请在采购前与我们联系，以便提供技术上的协助。
Note: all designs and specifications are for reference only and are subject to change without prior notice,if any doubt about safety for your application,please contact us immediately for technical assistance before purchase.